



MAR 04 2002
PATENT & TRADEMARK OFFICE
U.S. DEPARTMENT OF COMMERCE

UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

| APPLICATION NUMBER | FILING/RECEIPT DATE | FIRST NAMED APPLICANT | ATTORNEY DOCKET NUMBER |
|--------------------|---------------------|-----------------------|------------------------|
| 09/955,999 | 09/20/2001 | Steven C. Barash | PT086P1 |

22195
HUMAN GENOME SCIENCES INC
9410 KEY WEST AVENUE
ROCKVILLE, MD 20850

CONFIRMATION NO. 1712

FORMALITIES LETTER



OC00000007511371

Date Mailed: 02/21/2002

NOTICE OF INCOMPLETE REPLY (NONPROVISIONAL)

Filing Date Granted

The U.S. Patent and Trademark Office has received your reply on 02/07/2002 to the Notice to File Missing Parts (Notice) mailed 11/14/2001 and it has been entered into the nonprovisional application. The reply, however, does not include the following items required in the Notice.

The period of reply remains as set forth in the Notice. You may, however, obtain EXTENSIONS OF TIME under the provisions of 37 CFR 1.136 (a) accompanied by the appropriate fee (37 CFR 1.17(a)).

A complete reply must be timely filed to prevent ABANDONMENT of the above-identified application.

The application is informal since it does not comply with the regulations for the reason(s) indicated below.

The required item(s) identified below must be timely submitted to avoid abandonment:

- Substitute drawings in compliance with 37 CFR 1.84 because:
 - drawing sheets do not have the appropriate margin(s) (see 37 CFR 1.84(g)). Each sheet must include a top margin of at least 2.5 cm. (1 inch), a left side margin of at least 2.5 cm. (1 inch), a right side margin of at least 1.5 cm. (5/8 inch), and a bottom margin of at least 1.0 cm. (3/8 inch);

*A copy of this notice **MUST** be returned with the reply.*


Customer Service Center
Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

03/08/2002 BNNGUYEN1 00000013 083425 09955999

01 FC:105 130.00 CH

RETURN RECEIPT CARD

(MPEP § 503)



| | |
|--------------|--|
| OIPE: | Please Date Stamp In The Box Below And Return To Addressee |
| | |

Application of: Barash et al.

Application Serial No.: 09/955,999

Filed: September 20, 2001

Title: Signal Transduction Pathway Component Polynucleotides, Polypeptides, Antibodies, and Methods Based Thereon



Attorney Docket No.: PT086P1

Group Art Unit: 1614

Examiner: Unassigned

**The following documents were filed by Human Genome Sciences, Inc.
via hand delivery on February 7, 2002:**

1. Return Receipt Card;
2. Fee Transmittal with appropriate fee(s) (in duplicate);
3. Response to Notice to File Missing Parts;
4. Executed Declaration for Patent Application (2 pages in 3 counterparts, 6 pages total);
5. Petition for Extension of Time (for 1 month, to and including February 14, 2002);
6. Copy of Notice to File Missing Parts mailed November 14, 2001;
7. Recordation Form Cover Sheet with executed Assignment (2 pages in 2 counterparts) (5 pages total); and
8. Recordation Form Cover Sheet with executed Assignment (2 pages) (3 pages total).

KKH/JS/MMJ/ba

ATTN.: LEGAL DEPARTMENT



VIA HAND DELIVERY MARCH 4, 2002

Docket No.: PT086P1
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Barash et al.

Application No.: 09/955,999

Group Art Unit: 1614

Filed: September 20, 2001

Examiner: Not Yet Assigned

For: Signal Transduction Pathway Component
Polynucleotides, Polypeptides, Antibodies and
Methods Based Thereon

RESPONSE TO NOTICE OF INCOMPLETE REPLY

Box Missing Parts

Commissioner for Patents
Washington, DC 20231

Dear Sir:

In response to the Notice of Incomplete Reply mailed February 21, 2002, Applicants submit herewith substitute drawings in compliance with 37 C.F.R. § 1.84, together with (1) a Petition for Extension of Time to and including March 14, 2002; (2) a Fee Transmittal Sheet with appropriate fee (in duplicate); and (3) a copy of said Notice for entry into the above-referenced application.

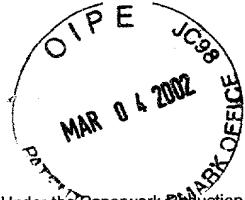
Applicants believe that no additional fees are required for this submission. However, should the Commissioner deem otherwise, the Commissioner is hereby authorized to charge any fee deficiency or credit any overpayment to our Deposit Account No. 08-3425.

Dated: March 4, 2002

Respectfully submitted,

By M. J. Hyman
Mark J. Hyman
Registration No.: 46,789
HUMAN GENOME SCIENCES, INC.
9410 Key West Avenue
Rockville, Maryland 20850
(240) 314-1224
Attorneys for Applicant

KKH/MJH/ba



PTO/SB/17 (11-01)

Approved for use through 10/31/2002. OMB 0651-0032
U.S. Patent and Trademark Office; U S DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 290.00)

Complete if Known

| | |
|----------------------|--------------------|
| Application Number | 09/955,999 |
| Filing Date | September 20, 2001 |
| First Named Inventor | Steven C. Barash |
| Examiner Name | Not Yet Assigned |
| Group Art Unit | 1614 |
| Attorney Docket No. | PT086P1 |

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Other None
 Deposit Account

Deposit Account Number 08-3425
Deposit Account Name Human Genome Sciences, Inc.

The Commissioner is hereby authorized to: (check all that apply)

Charge fee(s) indicated below Credit any overpayments
 Charge any additional fee(s) during the pendency of this application
 Charge fee(s) indicated below, except for the filing fee

to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 101 | 740 | 201 | 370 | Utility filing fee | |
| 106 | 330 | 206 | 165 | Design filing fee | |
| 107 | 510 | 207 | 255 | Plant filing fee | |
| 108 | 740 | 208 | 370 | Reissue filing fee | |
| 114 | 160 | 214 | 80 | Provisional filing fee | |
| SUBTOTAL (1) | | (\$ 0.00) | | | |

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Total Claims | ** = | Extra Claims | Fee from below | Fee Paid |
|--------------------|------|--------------|----------------|----------|
| Independent Claims | ** = | | | |
| Multiple Dependent | | | | |

| Large Entity | | Small Entity | | Fee Description | Fee Paid |
|--------------|----------|--------------|----------|--|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) | | |
| 103 | 18 | 203 | 9 | Claims in excess of 20 | |
| 102 | 84 | 202 | 42 | Independent claims in excess of 3 | |
| 104 | 280 | 204 | 140 | Multiple dependent claim, if not paid | |
| 109 | 84 | 209 | 42 | ** Reissue independent claims over original patent | |
| 110 | 18 | 210 | 9 | ** Reissue claims in excess of 20 and over original patent | |
| SUBTOTAL (2) | | (\$ 0.00) | | | |

** or number previously paid, if greater, For Reissues, see above

3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description | Fee Paid |
|-----------------------------------|--------------|--------------------------|----------|
| Fee Code | Fee (\$) | Fee Code | Fee (\$) |
| 105 | 130 | 205 | 65 |
| 127 | 50 | 227 | 25 |
| 139 | 130 | 139 | 130 |
| 147 | 2,520 | 147 | 2,520 |
| 112 | 920* | 112 | 920* |
| 113 | 1,840* | 113 | 1,840* |
| 115 | 110 | 215 | 55 |
| 116 | 400 | 216 | 200 |
| 117 | 920 | 217 | 460 |
| 118 | 1,440 | 218 | 720 |
| 128 | 1,960 | 228 | 980 |
| 119 | 320 | 219 | 160 |
| 120 | 320 | 220 | 160 |
| 121 | 280 | 221 | 140 |
| 138 | 1,510 | 138 | 1,510 |
| 140 | 110 | 240 | 55 |
| 141 | 1,280 | 241 | 640 |
| 142 | 1,280 | 242 | 640 |
| 143 | 460 | 243 | 230 |
| 144 | 620 | 244 | 310 |
| 122 | 130 | 122 | 130 |
| 123 | 50 | 123 | 50 |
| 126 | 180 | 126 | 180 |
| 581 | 40 | 581 | 40 |
| 146 | 740 | 246 | 370 |
| 149 | 740 | 249 | 370 |
| 179 | 740 | 279 | 370 |
| 169 | 900 | 169 | 900 |
| Other fee (specify) | | | |
| *Reduced by Basic Filing Fee Paid | | SUBTOTAL (3) (\$ 290.00) | |

Complete (if applicable)

| | | | | | |
|-------------------|----------------------|-----------------------------------|--------|-----------|----------------|
| Name (Print/Type) | Mark J. Hyman | Registration No. (Attorney/Agent) | 46,789 | Telephone | (240) 314-1224 |
| Signature | <i>Mark J. Hyman</i> | | | Date | March 4, 2002 |